

Amendments to the Claims

Claim 1 (currently amended): A dental floss for treatment of periodontitis in a patient having one or more periodontal pockets, said dental floss comprising:

an elongated dental floss strand; and

one or more medicinal members on said dental floss strand, said one or more medicinal members having a medicine product suitable for treatment of said periodontitis, said medicine product comprising doxycycline hyclate, said one or more medicinal members configured for retaining and selectively ~~releasing~~ placing said medicine product into said one or more periodontal pockets.

Claim 2 (currently amended): The dental floss according to claim 1, wherein ~~said medicine product is an antimicrobial agent~~ said dental floss strand is made from a dissolvable material configured to dissolve in said periodontal pockets and said dental floss strand is configured to dispose one of said medicinal members in one of said periodontal pockets.

Claim 3 (currently amended): The dental floss according to claim 2, wherein ~~said antimicrobial agent is a tetracycline medicine~~ dental floss strand comprises a pair of segment areas around each of said medicinal members, said segment areas configured to separate said medicinal member from said dental floss stand and dispose said medicinal member in said periodontal pocket.

Claim 4 (cancelled)

Claim 5 (original): The dental floss according to claim 1, wherein said one or more medicinal members comprises at least one spongy member.

1 Claim 6 (original): The dental floss according to claim 1, wherein said one or more medicinal
2 members comprises at least one absorbent strip.

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4 Claim 7 (currently amended): A dental floss for treatment of periodontitis in a patient having one or
5 more periodontal pockets, said dental floss comprising:

6 an elongated dental floss strand, at least a strand portion of said dental floss strand
7 made from a dissolvable material configured to dissolve in said periodontal pockets; and

8 one or more medicinal members on strand portion of said dental floss strand, said
9 dental floss strand configured to dispose one of said medicinal members in one of said periodontal
10 pockets, said one or more medicinal members having a ~~antimicrobial agent suitable for treatment of~~
11 said periodontitis doxycycline hyclate thereon, said ~~antimicrobial agent being a tetracycline medicine,~~
12 said one or more medicinal members configured for ~~retaining and selectively releasing~~ placing said
13 medicine product doxycycline hyclate into said one or more periodontal pockets; and

14 a pair of segment areas around each of said medicinal members, said segment areas
15 configured to separate said medicinal member from said dental floss stand and dispose said medicinal
16 member and said strand portion in said periodontal pocket.

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18 Claim 8 (cancelled)

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20 Claim 9 (currently amended): The dental floss according to claim 8 7, wherein said one or more
21 medicinal members comprises at least one spongy member.

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23 Claim 10 (currently amended): The dental floss according to claim 8 7, wherein said one or more
24 medicinal members comprises at least one absorbent strip.

1 Claim 11 (currently amended): A method of treating periodontitis in a patient having one or more
2 periodontal pockets, said method comprising the steps of:

- 3 a) supplying a dental floss having an elongated dental floss strand with one or more
4 medicinal members on said dental floss strand, at least a strand portion of said dental
5 floss strand made from a dissolvable material configured to dissolve in said periodontal
6 pockets, said strand portion having a segment area on each end thereof configured to
7 separate said strand portion from said dental floss strand, said one or more medicinal
8 members a medicinal member on said strand portion, said medicinal member having a
9 medicine product thereon suitable for treatment of said periodontitis, said medicine
10 product comprising doxycycline hyclate, said one or more medicinal members
11 configured for retaining and selectively releasing placing said medicine product into
12 said one or more periodontal pockets;
13 b) ~~applying said medicine product to at least one of said one or more medicinal members;~~
14 ~~and~~
15 c) ~~flossing the area of placing said medicinal member in one of said periodontal pockets in~~
16 ~~the patient's mouth with said dental floss strand having said one or more medicinal~~
17 ~~members so as to release said medicine product into said periodontal pocket;~~
18 c) separating said strand portion from said dental floss strand to dispose said strand
19 portion in said periodontal pocket; and
20 d) allowing said doxycycline hyclate to solidify in said periodontal pocket and said strand
21 portion to dissolve in said periodontal pocket.
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23 Claims 12-16 (cancelled)
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25 Claim 17 (original): The method of claim 11, wherein said one or more medicinal members
26 comprises at least one spongy member.

1 Claim 18 (original): The method of claim 11, wherein said one or more medicinal members
2 comprises at least one absorbent strip.

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4 Claim 19 (new): The dental floss according to claim 1, wherein said dental floss strand is made from
5 a material selected from the group comprising polyglycolic acid and polyglactic acid.

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7 Claim 20 (new): The dental floss according to claim 7, wherein said strand portion is made from a
8 material selected from the group comprising polyglycolic acid and polyglactic acid.

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10 Claim 21 (new): The dental floss according to claim 11, wherein said strand portion is made from a
11 material selected from the group comprising polyglycolic acid and polyglactic acid.

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13 Claim 22 (new): The method of claim 11, wherein said one or more strand portions are thickened
14 areas of said dental floss strand.